VALMAR AIRFLO

9620 PULL-TYPE
8600/8700 PULL-TYPE
5500 PULL-TYPE
245 & 246 PULL-TYPE
1255 PULL-TYPE

FERTI-GO 4S
56 SERIES MOUNTED APPLICATORS & COVER CROP SEEDERS
ST-6 & ST-10 ROW CROP PATHFINDER
455 FORAGE PRESERVATIVE APPLICATOR
Valmar™, a Division of Salford Group Inc. designs and manufactures granular applicators for fertilizer, herbicide, insecticide, seed, seed inoculant and forage preservatives. Our products are used by farm producers, commercial operators and agriculture research specialists.

The company was founded in 1977 by Charles Balmer, who was the principal designer and innovator of Valmar Airflo™ technology. Both the company and the product line evolved from a custom application business he operated in the mid-1970’s. The current facilities include a 30,000 sq. ft. manufacturing plant and a 12,000 sq. ft. research and development building on 12 acres. Valmar Airflo Inc. became part of Salford Group in 2015.

Valmar products have traditionally served commercial agriculture in the United States and Canada. New products now include applications in orchards, blueberries, potatoes, ginseng, forage crops (both in the field and at harvest) cranberries, golf courses and agricultural polymers to name a few.

In addition to the regular product line, Valmar has engineered and licensed Airflo applicators that have been manufactured and sold under license by companies such as AGCO®, Ag Chem®, LOR*AL® and Willmar®.

NOTE ON ISOBUS COMPATIBILITY
ISOBUS compliance does not guarantee compatibility with all functionality on 3rd party ISOBUS displays; Non-ISOBUS displays are not compatible with this controller. Always consult with the display manufacturer before purchase. Prescription mapping and/or auto section control may require software unlock. Ensure latest display firmware version is installed.

2017 Salford Group Inc. Valmar™, and Airflo™ are trademarks of Valmar, A Division of Salford Group Inc. Salford and Valmar reserve the right to make changes in engineering, design and specifications, or add improvements at any time without notice or obligation.

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### Innovators in Agricultural Application Technology

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6700 Mounted Air Boom Applicator

9620 Pull-Type Air Boom Applicator

8708 & 8711 Pull-Type Air Boom Applicator

8608 & 8611 Pull-Type Air Boom Applicator

5500 Pull-Type Air Boom Applicator

245 & 246 Pull-Type Granular Applicator for Herbicides and Seeds

Ferti-GO 4S

55 & 56 Series Implement Mount Granular Applicators for Herbicides and Seeds

ST-6, ST-8 & ST-10 Strip Till Granular Fertilizer Applicator

PATHFINDER Self-steering cart for ST-Series

1255 Pull-Type Inter-Row Banding or Broadcast Applicator for Fertilizer, Seeds, Herbicides and Insecticides

455 Granular Forage Preservative Applicator

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Innovators in Agricultural Application Technology

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Salford Group began production of conventional tillage equipment 1978. Over the years Salford grew with innovative tillage designs and in 2005 Salford began engineering and manufacturing seeding and application equipment as well.


Salford, like BBI, Valmar and AerWay, focuses on engineering easy to use equipment that incorporate innovations that are unique in the market place.

Salford has production facilities in Iowa and Georgia in the United States, as well as in Ontario and Manitoba in Canada. Combined with a number of parts distribution centers across North America, Salford’s parts distribution and product support stretches across America’s heartland, America’s Southeast, in the Great Lakes region and into the Canadian West.

Salford Group: Innovative Products that are Engineered to Improve Soil’s Productivity

Salford’s AerWay tillage and pasture management machines are designed to improve moisture and nutrient storage while alleviating compaction.

Salford’s BBI Spreaders are engineered for the widest true driving intervals, saving time in the field. A wide range of models fit every operation.

Salford’s highly accurate Valmar Airflo applicators offer implement mounted granular product distribution or air boom applicators.

Salford’s Independent Series tillage machines improve seedbeds and manage residue. L-Series tools can be fitted for application as well.

Salford Group offers a line of conventional tillage tools engineered for maximum durability, clearance and ease of use.

Salford Commodity Carts are engineered for seeding and fertilizer application. Poly tanks and stainless steel components accurately handle commodities.

Salford Air Drills are engineered for high speed operation in a variety of conditions. The double disc openers place seed and fertilizer with accuracy.
INDUSTRY LEADING
- Standard secondary metering for multi-product application, ISOBUS compatible left/right section control & hydraulically controlled boom pitch adjustment

MULTI-USE APPLICATOR
- 30 inch spacing on 60 ft. booms, paired with optional drop tube kit, allows post-emergence nitrogen and/or cover crop application

SECTION CONTROL
- Primary metering conveyors and the optional secondary metering have left / right sections that can be switched on and off with ISOBUS control system

BOOM SUSPENSION
- The air boom has a hydraulic suspension for stability at high speeds. The booms can be hydraulically from level to follow uneven terrain.

CHASSIS INTEGRATION
- Designed to use the existing hydraulic power and precision application controls of specific John Deere® high clearance, self-propelled chassis

6700 MOUNTED AIR BOOM APPLICATOR
### Ideal for:
Add Salford’s 6700 air boom applicator to select self-propelled chassis for industry leading granular distribution.

### 6700

After decades of use on other mounted air boom applicators, Salford’s Valmar air boom technology is now available for use on specific late model John Deere® high clearance, self-propelled chassis. The 6700 is specifically designed for hydraulic and precision control capability with these late model John Deere® self-propelled chassis to ensure ease of use and maximum performance. The 6700 offers high clearance application with industry leading air boom technology, capable of broadcast application up to 60 foot swath width with optional in row fertilizer distribution. The 60 foot, 30 inch row crop boom is equipped for inter-row application, including inter-row cover crops, allowing the cover crop to establish before the canopy closes.

### Unique Features

- 60 foot air booms with 30 inch, on center, row crop spacing
- Optional drop tube kit allows for post-emergence inter-row application
- Main compartment has standard partition gate to create secondary compartment for micronutrients
- Left / Right Section Control
- ISOBUS compatible variable rate application
- Dual 14 inch stainless steel mesh bed chains
- Hydraulic boom suspension
- Electric roll tarp for simplified tendering
- Bin screens to filter clumps and foreign objects

### 6700 Specifications

<table>
<thead>
<tr>
<th>WORKING WIDTH</th>
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</thead>
<tbody>
<tr>
<td>60 feet with 30 inch, on center, row crop spacing</td>
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<table>
<thead>
<tr>
<th>CHASSIS COMPATIBILITY</th>
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</thead>
<tbody>
<tr>
<td>John Deere® 4930, 4940, R4045*</td>
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<table>
<thead>
<tr>
<th>HOPPER</th>
</tr>
</thead>
<tbody>
<tr>
<td>409 Stainless Steel (Painted)</td>
</tr>
<tr>
<td>Total struck capacity - 200 cubic feet</td>
</tr>
<tr>
<td>Main compartment - 155 cubic feet</td>
</tr>
<tr>
<td>Secondary compartment - 45 cubic feet</td>
</tr>
<tr>
<td>4 lift points for installation</td>
</tr>
<tr>
<td>Subframe and hardware engineered and supplied to chassis specifications</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>METERING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controlled by PWM valves, allowing quick response times for changing application rates</td>
</tr>
<tr>
<td>Controlled by John Deere RC2000 ECU or ISOBUS compatible ECU</td>
</tr>
<tr>
<td>Main hopper: dual 14-inch stainless steel chain mesh conveyors for two section (Left Hand/Right Hand) separate ON/OFF controls</td>
</tr>
</tbody>
</table>
- Driven by chassis’ hydraulics
- Hydraulic (full swath) variable rate controlled |
| Micro hopper: 2 section (Left Hand/Right Hand) roller metering |
- 28-groove staggered flute OR 12-groove straight flute
- Hydraulic (full swath) variable rate controlled |

<table>
<thead>
<tr>
<th>BOOMS</th>
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</thead>
<tbody>
<tr>
<td>Patent Pending</td>
</tr>
<tr>
<td>60 feet, 304 stainless steel</td>
</tr>
<tr>
<td>30 inch, on center, outlet spacing - configured for inter-row application</td>
</tr>
<tr>
<td>Hydraulic bi-fold booms with spring protected breakaway tips for obstacle protection</td>
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<tr>
<td>Hydraulic boom suspension with boom tip height adjustment and accumulators for stability at higher field speeds</td>
</tr>
<tr>
<td>Rear mounted to minimize accumulation of fertilizer on the chassis</td>
</tr>
<tr>
<td>Standard broadcast deflector plates</td>
</tr>
<tr>
<td>Optional drop tube kit</td>
</tr>
</tbody>
</table>

www.salfordgroup.com
72 FOOT SWATH
- The 72 foot air boom hydraulically folds and locks. Eight 3 inch diameter stainless steel tubes deliver product for up to 110 acres/hour.

BOOM SUSPENSION
- The 72 foot air boom has a hydraulic suspension for stability at high speeds. The booms contour up to 8 feet from ground level to follow uneven terrain.

BREAKAWAY TIPS
- The boom has 7 foot, hydraulically folding, breakaway tips to prevent costly damage when spreading near fence rows.

SECTION CONTROL
- Primary metering conveyors and the optional secondary metering have left / right sections that can be switched on and off with the 9620’s ISOBUS* control system.

660 CUBIC FOOT CAPACITY
- The 660 cubic foot capacity of the 9620 is the largest on the market, as the only boom spreader that will fit an entire tender. A secondary micro-hopper is standard.

MICRO-HOPPER OPTION
- Equip the secondary 60 cubic foot secondary hopper with optional metering for independent variable rate application and left/right section control.

WEIGH SCALES
- Weigh scales are standard on the 9620 helping to stay ahead of fill stops and ensuring the machine is properly calibrated.

WALKING TANDEM
- 20 ton walking tandem with 800/65R32 tires provide stable operation at high speed and minimize compaction.

ISOBUS COMPATIBLE
- The 9620 comes equipped with ISOBUS compatible hydraulic metering. The ECU is capable of variable rate and section control output. Monitor not included.
Valmar 9620 Specifications

**Hopper:**
- 660 cubic foot total capacity - 600 cubic feet main, 60 cubic feet secondary with partition gate closed
- Painted, 409 stainless steel
- Electric roll tarp installed
- Rear ladder and platform
- Fill screens with access doors to hopper(s)
- Work lights

**Metering:**
- PWM (flow control) & motor bypass valves
- 304 stainless steel funnels & air manifold
- Calibration chutes
- (Main) Left hand/right hand independent 16 inch 304 stainless steel mesh conveyors, dual hydraulically driven motors (one per conveyor) 2-section control
- (Secondary) Dual meter rollers with electric clutch for left hand/right hand on/off - single hydraulically driven motor

**Booms:**
- 72 foot spread / 304 stainless steel / hydraulic fold
- Hydraulic boom suspension w/accumulator
- 7 foot breakaway tips – hydraulic fold
- Hydraulic boom tip manual height control

**Chassis:**
- 20 ton walking beam undercarriage
- 4 x 800/65R32 floatation tires with fenders

**Fan:**
- 17 inch S3 hydraulic direct drive fan
- 9 inch outlet direct to air manifold

**Precision Control Packages:**
- Digi-Star Scale Link ISOBUS scale kit (for ISOBUS displays)
- ISOBUS controls for left hand/right hand on/off section control for use with third party ISOBUS cab consoles, utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, Raven Viper 4+, etc.)
- *Does not include cab display

**Hydraulic Requirements:**
- Tractor supplied
- 30 gpm @ 2800 psi min
- Case drain for fan
- 4 hydraulic remotes

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9620 Air Boom Applicator

Salford’s Valmar 9620 is the largest pull type air boom applicator on the market today. The 9620’s 660 cubic foot capacity is designed to reduce fill stops and the heavy duty 20 ton walking beam suspension carries the load with confidence at high speed. Capable of applying up to 110 acres per hour, the 72 foot boom helps cover acres quickly as the hydraulic suspension ensures boom stability. The booms can be hydraulically raised and lowered up to 8 feet at the tip, allowing the 9620 to contour the ground for the most accurate application. Prior to leaving the factory, all air booms are factory calibrated and certified to be within +/- 5% of the target application rate on each side of the machine. The 9620’s speed, precision, capacity, and value make it an economical replacement for self-propelled air boom units.

**Unique Features**

- 72 foot boom constructed from 304 stainless steel
- Hydraulic boom suspension with 7 foot breakaway boom tips and ability to contour up to 8 feet from ground level to follow uneven terrain
- 660 cubic foot hopper with multiproduct metering options, and an optional secondary hopper
- Keep products like coated urea and sulphur in separate compartments to increase their effectiveness
- ISOBUS compatible variable rate and left/right section control*
- Maximum flotation and high-speed travel with 20 ton walking beam suspension and 800/65R32 tires
VALMAR 8700 AIR BOOM APPLICATOR

72 & 60 FOOT SWATH
- The full air boom hydraulically folds and locks, including boom tip. The newly offered 72’ boom width offers added swath to cover more acres, while the 60’ row crop boom allows post-emerge, inter-row application.

GROUND OR HYDRAULIC
- The 8708 can be ordered either ground or hydraulically driven, while the 8711 is available strictly hydraulically driven.

60 CUBIC FOOT MICRO HOPPER
- Optional 60 cubic foot secondary hopper and metering for independent variable rate application and left / right section control.

AXLE SPACING & TIRE OPTS
- The 8700’s standard axle is adjustable from 72 inch to 88 inch. A 120 inch axle option is available. Floatation or row crop tires are available.

BOOM SUSPENSION
- The 8700’s boom is protected by an updated suspension for stability at high speeds and hydraulically controlled pitch adjustment for uneven grounds.

SECTION CONTROL
- Primary metering conveyors and the optional secondary metering have left / right sections that can be switched on and off with ISOBUS control system.
Ideal for: High capacity, high rate, granular product application with 72 ft. boom for maximum application wide or 60 ft. row crop boom for broadcast and in season granular application.

8700 Air Boom Applicator

Salford’s Valmar 8700 is a high acreage, high speed, air boom applicator with either 72 feet of swath, or 60 feet of row crop application, capable of delivering up to 1000 lbs/acre at 8 mph.

Hopper

8708 - 8 ton / 260 cubic foot
8711 - 11 ton / 357 cubic foot
Secondary hopper split and 60 cubic foot secondary metering drive is optional
409 stainless steel painted
Hopper screen/filter
Roll tarp installed

Primary Metering

(2) 14 inch, 304 stainless steel conveyor chains
Maximum rates 1000 lbs/acre at 8 mph
GROUND DRIVE METERING AVAILABLE ON 8708
HYDRAULIC DRIVE METERING
ISOBUS Section Control Kit* Two motor independent drive left hand/right hand hydraulic main metering.
For use with 3rd party ISOBUS cab consoles utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, etc.)

Second Metering System

(2) 12 inch, 28 groove metering rollers
HYDRAULIC DRIVE
Single motor drive hydraulic metering kit with electric clutches for left hand/right hand on/off.

Dimensions

Total weight 7200 lbs
Transport: Hitch 1040 lbs, Axle 5960 lbs
Field: Hitch 1360 lbs, Axle 5640 lbs
Transport width: 9 feet 10 inches
Transport height: 12 feet

Fan

17 inch impeller operates at 4700 RPM
PTO fan drive
1000 RPM CV, 1 1/2 or 3 1/4 in. 21 spline driveline
Optional hydraulic fan drive
16 CC motor, direct drive

Chassis

72-88 inch adjustable axle
Optional 120 inch axle (standard with 60 ft. boom.
Single axle with 10 bolt hub
8708 - 14.9 inch 380/85 R38
8708 - 28L-26 R3, 750/65 R1
8711 - 800/65 R32 tire
8711 - 380/90 R46
Optional Digi-Star scale kit

8700 Specifications

Hopper

• 8708 - 8 ton / 260 cubic foot
• 8711 - 11 ton / 357 cubic foot
• Secondary hopper split and 60 cubic foot secondary metering drive is optional
• 409 stainless steel painted
• Hopper screen/filter
• Roll tarp installed

Booms

• 72 foot spread width or 60 foot row crop boom with 30 in. on center outlets.
• Fully hydraulic folding, including boom tips
• Updated suspension with stability at high speeds, and hydraulically controlled pitch adjustment for uneven grounds
• 304 stainless steel construction
• Breakaway tips
• 3 inch diameter tubes (6 per side)
• 25 outlets
• Optional drop tube kit for 60 ft. boom. Kit includes fenders

Fan

• 17 inch impeller operates at 4700 RPM
• PTO fan drive
• 1000 RPM CV, 1 1/2 or 3 1/4 in. 21 spline driveline
• Optional hydraulic fan drive
• 16 CC motor, direct drive

Chassis

• 72-88 inch adjustable axle
• Optional 120 inch axle (standard with 60 ft. boom.
• Single axle with 10 bolt hub
• 8708 - 14.9 inch 380/85 R38
• 8708 - 28L-26 R3, 750/65 R1
• 8711 - 800/65 R32 tire
• 8711 - 380/90 R46
• Optional Digi-Star scale kit

8700 Air Boom Applicator

Salford’s Valmar 8700 is a high acreage, high speed, air boom applicator with either 72 feet of swath, or 60 feet of row crop application, capable of delivering up to 1000 lbs/acre at 8 mph.

The highly accurate Venturi metering system is simple to calibrate and easy to operate allowing anyone to take to the field with the 8700.

An optional secondary hopper compartment and secondary metering allows for the application of lower rate herbicides and micronutrients alongside your granular fertilizer.

The 8700 has variable rate and left / right section control that can be operated with prescription maps with the ISOBUS controller.
**66 FOOT SWATH**
- The main air boom hydraulically folds and locks. Six 3 inch diameter stainless steel tubes deliver up to 1000 lbs/acre at 8 mph.

**BOOM SUSPENSION**
- The 8600’s boom is protected by a rubber torsion suspension and also locks in place when folded.

**FACTORY CERTIFIED**
- All air booms are factory calibrated and certified to be within +/- 5% of the target application rate on each side of the machine.

**SECTION CONTROL**
- Primary metering conveyors and the optional secondary metering have left / right sections that can be switched on and off manually or with ISOBUS control system.

**60 CUBIC FOOT MICRO HOPPER**
- Optional 60 cubic foot secondary hopper and metering for independent variable rate application and left / right section control.

**AXLE SPACING & TIRE OPTS**
- The 8600’s standard axle is adjustable from 72 inch to 88 inch. Floatation or row crop tires are available.

**HYDRAULIC OR PTO FAN**
- The 8600 has the option for a hydraulically driven or a PTO driven fan.

**GROUND Driven Metering**
- Oil bath metering drive gear box with 30 settings and 2 speed gear ratio for 60 settings at 7% increments.

**HYDRAULICALLY Driven Metering**
- The 8600 can be equipped with ISOBUS compatible* hydraulic metering. The ECU is capable of variable rate and section control output. Cab display not included.
Salford’s Valmar 8600 is a high capacity, high speed, air boom applicator capable of delivering up to 1000 lbs/acre at 8 mph. The highly accurate Venturi metering system is simple to calibrate and easy to operate allowing anyone to take to the field with the 8600.

An optional secondary hopper compartment and secondary metering allows for the application of lower rate herbicides and micronutrients alongside your granular fertilizer. The 8600 has left / right section control that can be operated manually or automatically with prescription maps when equipped with hydraulic variable rate metering and ISOBUS controller.

### Ideal for:
High capacity, high rate, granular product application with optional microhopper for micro-nutrients or herbicide.

### 8600 Air Boom Applicator

**8600 Air Boom Applicator**

- **Hopper**:
  - 8608 - 8 ton / 260 cubic foot
  - 8611 - 11 ton / 357 cubic foot
- **Secondary hopper split and 60 cubic foot secondary metering drive is optional**
- **409 stainless steel painted**
- **Hopper screen/filter**
- **Roll tarp installed**

- **Booms**:
  - 66 foot spread width
  - Rubber torsion boom suspension and shock absorber
  - 304 stainless steel construction
  - Breakaway tips

- **Fan**:
  - 17 inch impeller
  - PTO fan drive
  - 1000 RPM CV, 1 1/4 or 1 1/2 in. 21 spline driveline
  - Optional hydraulic fan drive
  - Requires 21 GPM operating at 2500 PSI
  - 3/4 inch hydraulic lines
  - 1/2 inch couplers and 3/4 inch high flow couplers included
  - Case drain required

- **Chassis**:
  - 72-88 inch adjustable axle
  - Single axle with 10 bolt hub
  - 8608 - 14.9 inch 380/85 R38
  - 8608 - 2BL-26 R3, 750/65 R1
  - 8611 - 800/65 R32 tire
  - 8611 - 380/90 R46
  - Optional Digi-Star scale kit

- **Dimensions**:
  - Total weight 7200 lbs
  - Transport: Hitch 1040 lbs, Axle 5680 lbs
  - Field: Hitch 1360 lbs, Axle 5640 lbs
  - Transport width: 9 feet 10 inches
  - Transport height: 12 feet

### Hydraulic Requirements

**Ground Drive**
- Minimum pressure required 2800-2900 psi - 21 gpm
- 4 remotes required for PTO fan (5 required for hydraulic fan)
  - 1 set for boom folding and unfolding
  - 1 set shut off of RH fertilizer metering
  - 1 set shut off of LH fertilizer metering
  - 1 set for wheel drive engagement
  - (1 set for hydraulic fan)

**Hydraulic Drive**
- Minimum pressure required 2800-2900 psi - 30 gpm
- 2 remotes required for PTO fan (3 remotes required for hydraulic fan)
  - 1 set for boom folding and unfolding
  - 1 set for metering (chain drive hydraulics)
  - (1 set for hydraulic fan)

### Valmar 8600 Specifications

- **Hopper**
  - 8608 - 8 ton / 260 cubic foot
  - 8611 - 11 ton / 357 cubic foot
  - Secondary hopper split and 60 cubic foot secondary metering drive is optional
  - 409 stainless steel painted
  - Hopper screen/filter
  - Roll tarp installed

- **Booms**
  - 66 foot spread width
  - Rubber torsion boom suspension and shock absorber
  - 304 stainless steel construction
  - Breakaway tips

- **Fan**
  - 17 inch impeller
  - PTO fan drive
  - 1000 RPM CV, 1 1/4 or 1 1/2 in. 21 spline driveline
  - Optional hydraulic fan drive
  - Requires 21 GPM operating at 2500 PSI
  - 3/4 inch hydraulic lines
  - 1/2 inch couplers and 3/4 inch high flow couplers included
  - Case drain required

- **Chassis**
  - 72-88 inch adjustable axle
  - Single axle with 10 bolt hub
  - 8608 - 14.9 inch 380/85 R38
  - 8608 - 2BL-26 R3, 750/65 R1
  - 8611 - 800/65 R32 tire
  - 8611 - 380/90 R46
  - Optional Digi-Star scale kit

- **Dimensions**
  - Total weight 7200 lbs
  - Transport: Hitch 1040 lbs, Axle 5680 lbs
  - Field: Hitch 1360 lbs, Axle 5640 lbs
  - Transport width: 9 feet 10 inches
  - Transport height: 12 feet

- **Primary Metering**
  - Twin 12 inch, 304 stainless steel mesh conveyor chains
  - Maximum rates 1000 lbs/acre at 8 mph
  - GROUND DRIVE (Standard)
  - Hydraulically engaged metering and mechanical clutch for half shut-off on right hand or left hand
  - Oil bath metering drive gear box with 30 settings and 2 speed gear ratio for 60 settings at 5% increments
  - HYDRAULIC DRIVE METERING (Optional)
  - ISOBUS Section Control Kit*
    Two motor independent drive left hand/right hand hydraulic main metering.
    For use with 3rd party ISOBUS cab consoles utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, etc.)

- **Second Metering System**
  - Twin 12 inch, 28 groove metering rollers
  - GROUND DRIVE
    - 60 speed metering gearbox with 5% between settings
    - In-cab electric clutch control with 1/2 shut off on either side
  - HYDRAULIC DRIVE
    - Single motor drive hydraulic metering kit with electric clutches for left hand/right hand on/off.

- **www.salfordgroup.com**
The Valmar 5500 features a self-leveling boom to follow ground contours for the most accurate application.

The ground driven metering option comes with a 60 speed gear box that is adjustable in 5% increments.

The 5500 has the option of a hydraulically driven or PTO driven fan.
Salford’s Valmar 5500 granular, air boom applicators are durable and simple to operate. The stainless steel hopper and components ensure years of low maintenance operation. The metering system is easy to calibrate and has a wide range of adjustment to meet herbicide or fertilizer application goals. The self-leveling booms provide consistent product distribution in varying terrain for the most accurate application. The 5500 has left/right metering sections for manual left/right section control to minimize application into sensitive areas and reduce product waste through over application.

**Ideal for:** Medium capacity, ground driven applicator for fertilizer, herbicide, seed or micro nutrients.

### 5500 Applicators

- 40 foot stainless swath for high rate product output
- 409 stainless steel, painted, hopper and 304 stainless steel metering and air boom components for years of low maintenance operation
- Simple calibration and metering adjustment for ease of use in the field
- Ground driven machines have 60 speed gear box with adjustments in 5% increments to match a wide range of fertilizer or herbicide application rate
- Self-leveling boom for accurate application in rolling terrain
- Manual left/right section control

### Unique Features

#### Valmar 5500 Pull-Type Specifications

**Hopper**
- 167 cubic feet
- 409 stainless steel, painted
- Hopper bottom shut-off slide panels
- Roll tarp installed

**Booms**
- 40 foot spread - 304 stainless steel construction
- Self-leveling boom with break away boom tips
- 2.5 inch diameter tubes with 6 deflectors per side
- Manual fold

**Metering System**
- 304 stainless metering bottoms with pegged rollers with brushes
- Manual half width shut-off on either side
- Rates up to 500 lb./acre at 5 MPH down to 5 lb./acre with optional small seed and herbicide kit
- GROUND DRIVE
  - Hydraulically engaged
  - 60 speed gearbox with 5% between settings

**Fan**
- 20 in. impeller with dual outlets
- PTO fan drive
- 1000 RPM CV driveline, 1/4 in. – 21T spline
- Optional hydraulic fan drive
- Requires 23 GPM operating at 1885 PSI
- 3/8 in. hydraulic lines
- Case drain required

**Chassis**
- Tandem walking beam
- Adjustable axle width with available tires: 16.5L x 16.1 (81-99 in.) or 9.00 x 20 (72-90 in.)
- Single axle 550/60-22.5 tires/12 ply at 90 in. center to center

**Options**
- Herbicide kit includes 1 set of 28 groove metering rollers and fan intake reducer for metering finer products and lower rates

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www.salfordgroup.com
245 & 246 Pull Type Granular Applicators

**Fan Drive Options**
- The 245 and 246 models are available with either hydraulic or gas powered fan drive.
- Applicators operated from a tractor or pickup truck.

**Self-Leveling Boom**
- The Valmar 245 & 246 feature self-leveling booms to follow ground contours for the most accurate application.

**Section Control**
- Valmar 245 has manually controlled left/right section control.
- Valmar 246 has manually controlled 4 section control.

**Ground Driven Metering**
- The ground driven metering option comes with a 60 speed gear box that is adjustable in 5% increments.
**Ideal for:** Distribution of granular product such as herbicide, cover crop or low rate fertilizer and micro nutrients. Drive options allow for towing behind tractors or pickup trucks.

**245 & 246 Applicators**

Salford’s Valmar 245 and 246 applicators have over a decade of service on farms and in rental fleet operations.

The Valmar Venturi metering system is renowned for simple calibration and accurate application, primarily in low rate, granular herbicide application. The meters are accurate and gentle enough to be used for seed and gas driven models can be rented for towing behind tractors or pickup trucks.

The 245 model has left/right section control and the 246 model has 4 section control that can be controlled manually.

**Unique Features**

- Top speed 20 mph
- 245 - 50 foot boom / 246 - 60 foot boom
- Gas drive allows for use with pickup trucks
- Highly accurate Valmar Venturi metering
- Simple to calibrate and clean out for use with multiple products
- Self-leveling booms
- 60 speed ground drive with adjustment in 5% increments
- 246 - poly tank holds 60 cubic feet
- 245 - painted stainless steel holds 40 cubic feet

**245 & 246 Pull-Type Specifications**

**Hopper**

- 245: 40 cubic feet
  - Mild steel with 2 component primer and 2 component urethane top coat paint
- 246: 60 cubic feet
  - Polyurethane tank
- Weather tight lid
- Product level sight gauge
- Hopper bottom shut-off gates

**Booms**

- 245: 50 foot spread, breakaway tips
- 246: 60 foot spread, breakaway tips
- Self-leveling
- Manual fold

**Metering**

- Ground driven
- 245: Half shut-off on either side
- 246: 4 section shut-off
- 245: 28 groove plastic fluted metering roller – 12 groove available for more coarse material or higher rates
- 246: Stainless steel metering
- In-cab electric clutch control and air manifold monitor
- 60 speed gearbox with 5% between settings
- Air manifold and Venturi system drop for easy cleaning

**Fan**

- Hydraulic drive: 10.5 GPM – hydraulic lines to hitch included
- 245/246: 9 HP gas engine fan drive
- 18 inch impeller

**Chassis**

- 245: 6000 lb rubber torsion axle
- 246: 7000 lb rubber torsion axle
- 246: 31 X 13.5 - 15 inch tires
- 6 bolt hubs

**Options**

- 12 groove roller assemblies for coarse material
- Agitator kit
- 245: Stainless steel metering
- 246: Stainless steel metering is standard

**Dimensions/Shipping Information**

- Height: 6 ft. 8 in.
- Width: 7 ft. 8 in.
- Length: 18 ft.
- 245: Weight: 2250 lb.
- 246: Weight: 3100 lb.

www.salfordgroup.com
ON-BOARD FERTILIZER APPLICATOR

- Designed for mounting on select planters with ability to match 12, 16, 18*, 20 and 24 row planters with airline splitters available for use with 36+ row planters

INDUSTRY LEADING METERING

- Featuring the same metering as on the ST Series and other Salford’s Valmar products, known for its accuracy, ease-of-use, simple cleaning, and range of application rate abilities

SIMPLE, EFFECTIVE SOLUTION

- With its simple metering and the ease-of-maneuverability due to being planter mounted instead of tow-behind, the FERTI-GO 4S offers producers a simple, effective solution

**FERTI-GO 4S**
**Ideal for:** Ferti-GO 4S is engineered for increased dry fertilizer capacity on planters. Highly accurate Valmar metering technology allows for side banding or starter applications.

**Ferti-GO 4S**

The Ferti-GO 4S offers accurate, high-capacity dry fertilizer application for mounting on select planters. It features a single product hopper, available for mount on many planter models, with variable rate metering and 4 section control. The hopper has a standard capacity of 4 tons, with the ability to reach a capacity of 6 tons with optional hopper extensions. The metering system of the Ferti-GO 4S is currently featured on the ST Series and other Salford’s Valmar products, paired with the Venturi Air Manifold System, is known for its accuracy, ease-of-use, simple cleaning, and range of application rate abilities.

**Unique Features**

- Available for mount on many planter models
- Variable rate metering and 4 section control
- Electric roll tarp for simplified tendering
- Standard 4 ton capacity with ability to reach 6 tons with optional hopper extensions
- Rate control ready with metering, fan speed sensors, PWM flow control and bin-level sensing
- Optional ISOBUS compatibility to follow prescription maps
- Planter mount allows for ease-of-maneuverability for in field and road transport

**Ferti-GO 4S Specifications**

**Hopper**

- Standard: 4 ton
- Optional: 6 ton with extensions
- 409 stainless steel, painted
- Spring loaded hopper shut-off gates for fast metering and product changes
- Roll tarp cover
- Scales - optional equipment

**Metering System**

- ISOBUS compatible variable rate application
- 4 section control
- Ability to match 12, 16, 18*, 20, 24 row planters
- *Airline splitters available for use with 36+ row planters
- Single fan output - up to 200 lbs/acre @ 6 mph on 24 rows
- Dual fan output* - up to 400 lbs/acre @ 6 mph on 24 rows
  *Optional equipment

**Options**

- ISOBUS compatibility available
- Hopper extensions available for added capacity (bringing capacity from standard 4 tons to 6 tons)
- Weigh scales available

*Ferti-GO 4S may not be compatible when used in conjunction with some planter controllers. Consult your dealer or planter manufacturer to ensure your planter frame has the capacity to handle the weight of the loaded applicator. Be sure to study and/or consult an agronomist to ensure fertilizer rates and placement will not damage your crop.

www.salfordgroup.com
Valmar 55 and 56 series have left / right metering segments for section control that are ISOBUS compatible*.

*1655 not included

55 and 56 series applicators can be set up for ground driven metering or hydraulically driven metering.

55 and 56 series applicators range from 16 to 32 individual metering runs and blockers can be installed to match your desired application width.

55 and 56 series applicators are extremely accurate and handle a wide range of material sizes. They are recommended for granular herbicide application.

55 and 56 series applicators are gentle and accurate enough to be used for seeding cover crops or low rate crops like canola.

Supplement application with micro nutrients with standard stainless metering with high density polyurethane tank for fertilizer.
55 & 56 Series Granular Applicators

Salford’s Valmar granular applicators can be paired with virtually any implement between 16 feet and 80 feet. New mounting options for the Valmar 55 & 56 Series applicators include a Pull-Type Cart and 3 Point Hitch mount. These new options make the applicators even easier to fill and calibrate while keeping the applicator lower to the ground for safer operation. The highly accurate Valmar metering system is proven as a gentle delivery method for seed, fertilizer or herbicide. 55 and 56 Series models can be equipped with hydraulic drive or ground drive systems. Valmar implement mount applicators are ideally suited for granular herbicide application to battle herbicide resistant weeds.

Unique Features

- New 56 series have poly tanks and stainless steel metering to boost fertilizer application capacity for planters and other implements
- Pair 55 & 56 series with virtually any implement - unit mount*, Pull-Type or 3 Point Mount options
  *Salford does not supply direct mounts for implements. Check with your dealer regarding direct mounts.
- Capacity and metering outlet options to fit implements from 16 to 80 feet wide
- ISOBUS compatible* hydraulic drive available
- Ground driven meter has a 60 speed gearbox capable of changing rates in 5% increments

Ideal for: Distribution of granular product such as herbicide, cover crop or low rate fertilizer and micro nutrients with 3 Point and Pull-Type mounts available for ease of use.

55 Series Granular Fertilizer Applicator

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Outlets</th>
<th>Application Width</th>
<th>Hydraulic Fan Drive</th>
</tr>
</thead>
<tbody>
<tr>
<td>1655</td>
<td>33 cu. ft. (900lb)</td>
<td>16</td>
<td>16-40 ft.</td>
<td>8 gal./min.</td>
</tr>
</tbody>
</table>

56 Series Granular Fertilizer Applicator

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Outlets</th>
<th>Application Width</th>
<th>Hydraulic Fan Drive</th>
</tr>
</thead>
<tbody>
<tr>
<td>4056</td>
<td>40 cu. ft. (1800lb)</td>
<td>16</td>
<td>24-60 ft.</td>
<td>11.5 gal./min</td>
</tr>
<tr>
<td>6056</td>
<td>60 cu. ft. (2700lb)</td>
<td>24 or 32</td>
<td>32-80 ft.</td>
<td>11.5 gal./min</td>
</tr>
</tbody>
</table>

Hopper
- Weathertight lid
- Hopper bottom shut-off slide gates

Metering
- Air manifold and venturi system drop for easy cleaning
- Manual half shut off on either side (except 1655)
- 28 grove plastic fluted metering rollers OR 12 groove available for more coarse material or higher rates
- 4056 and 6056 come standard with stainless steel metering

HYDRAULIC DRIVE OPTION
- Hydraulic metering, motor only
- Hydraulic metering, Rate Control Ready. Includes motor, flow control valve, meter encoder, fan speed and bin level sensors. Does not include ECU, harness or cab display.
- Hydraulic metering, with granular rate control. Includes motor, ISOBUS compatible ECU* and harness, flow control valve, meter encoder, fan speed and bin level sensors. Does not include display.

GROUND DRIVE OPTION
- 60 speed gearbox with 5% between settings
- In-cab electric clutch control and air manifold monitor
- Optional hydraulic engage/disengage

Options
- 12 groove meter roller assemblies for coarse material
- Outlet blocker kits and line splitters to match a specific number of required runs in special mounting situations
- Agitator kits
- Delivery hose quick coupler kits
- 1.25 inch ID flexible PVC hose
- Broadcast deflectors mount individually to the implement frame
- Air diffusers for in-row application
Mounting Systems

Integration Simplicity - The 3 Point Hitch mount and the Valmar Tow Behind Cart eliminate the need for implement specific mounting brackets and hardware making the 55 & 56 Series instantly compatible with virtually any implement. This “turn-key” solution greatly simplifies setup requirements.

More Ergonomic - The new platforms are designed to be more operator friendly and improve access to the hopper. With the new options available, operators are able to easily fill and calibrate the Valmar applicator without having to climb over the implement’s frame.

Ground Driven or Hydraulic Drive - The new 55 & 56 Series mounting options come complete with hydraulic and electrical hookups and are compatible with hydraulic drive or ground driven metering making these units very compatible options.

Choose Your Implement - The 3-point hitch mount uses an integrated drawbar rated for 350 hp. A heavier duty, 600 hp rated version is also available on request. The ease of hitching and unhitching different implements makes it possible to use the Valmar granular applicators with multiple implements on the same farm. All hydraulic and electrical hook-ups are transferred to the rear of the unit as well. Switch between applying starter fertilizer with your planter to seeding cover crops with your tillage tool in no time.

Ease of Operation - The applicator itself has a platform for easy access to the hopper and a ladder that folds away while in operation. The 3 point applicator box also has integrated stands for storage or easy hook up and dismount from the tractor linkage.
Cover crops have the power to improve crop yields by enhancing overall soil health. The roots from cover crops improve soil tilth and the decomposing plant material increases soil organic matter. Specific cover crops like brassica produce a large, deep root that can generate pressure up to 240 pounds per square inch to break up compacted soil. Living cover crops interact with soil biology to create aggregates that build soil structure. This improves soil permeability, aeration, water infiltration and holding capacity, and ease of crop emergence and root growth.

Cut fertilizer costs
Cover crops can fix unused, or atmospheric nutrients, and make them more available for the next commercial crop. Cover crops can also improve the effectiveness of fertilizer application by helping hold nutrients that might otherwise run off or be lost with soil erosion. Nitrogen fixing cover crops can be a great benefit to commercial crops such as corn. These cover crops can even be inter-seeded between established corn rows to add atmospheric nitrogen to the soil in season.

Better weed control
Cover crops can improve the effect of herbicides by out competing weeds for light, moisture, nutrients and space. Cover crop mulch that is covering the ground, and decomposing while the commercial crop is getting established, can effectively smother weeds trying to grow between the seed rows, potentially leading to increased yields.

Prevent soil erosion and protect water quality
By providing ground cover in the off times of the growing season, cover crops provide a natural barrier to wind and water erosion. The standing cover crop shields the soil from the impact of raindrops while the crop’s root systems anchor the soil to prevent wind and water erosion. This not only keeps soil in place in highly erodible ground, but also fixes the nutrients and organic matter contained in the soil.

Conserve soil moisture
Rotated cover crops, and even an inter-seeded cover crop, help the soil hold more moisture by preventing water runoff. This increases the soil’s moisture storage capacity by improving soil structure, adding organic matter and reducing moisture evaporation by shading the soil surface from the sun’s rays.

Possible feed source
Cover crops can provide a feed source for producers that have livestock or have a secondary market for forage. The cover crop can be grazed or harvested and still provide erosion control by maintaining the cover crops root mass.
“Everything about the PathFINDER did a better job for me. I could run twelve 38 inch rows while putting down 600 lbs of fertilizer at about 6 mph. That’s really rolling out a lot of fertilizer. Compared to our old cart we sped up and increased the amount of fertilizer with this rig.

It’s very operator friendly to run. You can look back and you can see every single row. If its running or if its plugged, or if there’s some kind of problem. And actually we did not have any trouble with it. We had perfect flow the whole year long.

It stayed tucked behind us a little better and when I made a hard turn, I wasn’t worried about the PathFINDER steering into my tool bar and damaging the tires.”

JACK HUERKAMP
Macon, MS
1,800 acres of cotton and corn

ST-6 & ST-10 HIGH CAPACITY APPLICATION

ST-10 & PathFINDER
- Valmar 10 ton split tank metering on Salford PathFinder

ST-10 MOUNTED
- 10 ton two tank metering mounted directly on application tool bar

ST-6 & PathFINDER
- 6 ton single tank metering mounted on Salford PathFinder.

4 SECTION CONTROL
- Highly accurate metering technology allows for high speed, high rate application with four section control to reduce overlap and save money.
ST-Series Metering

**Simple Accurate Metering:** The ST-Series uses highly accurate, simple, roller metering to deliver product evenly into the separate Venturi air lines, delivering precisely how much product you need. Meters are designed to stay clean and are simple to change.

**Hydraulic Drive with ISOBUS Compatibility:** ST-Series applicators use hydraulically driven systems. Factory optional ECU’s allow for simple straight rate application or ISOBUS compatible variable rate application.

**Meter Removal and Clean out:** A hopper slide gate and removable bottom makes emptying tanks quick and easy and meters simple to remove.

**More Accurate Fertilizer Blends:** ST-10 models can carry two separate commodities with their 60/40 split tanks. Blending is done right at the meter, rather than in the air line. This ensures the most accurate blend possible. The ST-10 has 2 separate tanks.

**Roller Metering:** ST-Series applicators use peg roller meters, which excel at metering seed or fertilizer. Compared to auger metering these rollers offer greater accuracy, are less susceptible to plugging, are easier to change and do not grind product. Peg rollers are equipped with brushes for self cleaning. Low rate rollers available for cover crop and micro nutrients.

**Section Control Ready:** ST-Series models are capable of ISOBUS compatible section control. The ST-6 and ST-10 metering system is split into four sections for the most accurate, cost effective application.

**Match Your Working Width:** ST-Series applicators can be fitted with 8, 12, 16, 18, 20 and 24 metering runs and the primary air delivery lines can be split downstream to deliver up to 48 rows of product.

**Hydraulic Requirements**
- Requires 30-42 gpm @ 2800 psi (single fan or dual fan)
- Case drain required
- Hoses to tractor not included

**Options**
- Air line splitters
- Low rate peg meter rollers
- Deflector kit for broadcast application
- Air diffusers for in-row application
- PVC flexible air hose
  - 2 inch or 2 ½ inch from Venturi to splitter/diffuser or deflector
  - 1 inch, 1 ½ inch or 1 ¼ inch after splitters
  - 1 inch, 1 ½ inch or 1 ¼ inch after diffuser

**Implement Mounting**
- Skid mounting available - contact dealer

**Fan**
- Hydraulic fan drive
- Second fan option for high rates, swaths, or ground speeds
- Second fan standard on 24 row models

**Meter**
- Plastic peg meters rollers with brush for self cleaning
- Manual hopper bottom shut-off slide gates
- PWM Valve
- Meter encoder, Fan speed sensor, Bin level sensor
- Low rate rollers available

**Meter Removal and Clean Out**
- A hopper slide gate and removable bottom makes emptying tanks quick and easy and meters simple to remove.

**ISOBUS Controls**
- ISOBUS Controls* (includes ECU and harness)
- Digi-Star Scale Kit (includes one cab display) or available as ISOBUS

*For use with 3rd party ISOBUS cab consoles utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, etc).* ISOBUS compliance does not guarantee compatibility with all functionality on 3rd party ISOBUS displays. Non-ISOBUS displays are not compatible with this controller. Always consult with the display manufacturer before purchase. Prescription mapping and/or auto section control may require software unlock. Ensure latest display firmware version is installed.

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**Strip Till Granular Fertilizer Applicator Specifications**

<table>
<thead>
<tr>
<th></th>
<th>ST-6</th>
<th>ST-10</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hopper Capacity</strong></td>
<td>• 185 cu ft 6 Tons</td>
<td>• 300 cu ft (120/180 cu ft) 10 Tons (4/6 ton)*</td>
</tr>
<tr>
<td><strong>Tank Configuration</strong></td>
<td>• Single compartment</td>
<td>• Two compartments</td>
</tr>
<tr>
<td><strong>Tank Material</strong></td>
<td>• High Density Polyethylene</td>
<td></td>
</tr>
<tr>
<td><strong>Metering Sections</strong></td>
<td>• Up to four sections (Electric clutches per section)</td>
<td></td>
</tr>
<tr>
<td><strong>Tank Features</strong></td>
<td>• Air Manifold gauge</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Hopper Screen</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Ladder and platform assembly</td>
<td></td>
</tr>
<tr>
<td><strong>Air Manifold</strong></td>
<td>• 8, 12, 16, 18, 20 and 24 Outlet manifolds (choose at the time of ordering)</td>
<td></td>
</tr>
<tr>
<td><strong>Meter</strong></td>
<td>• Plastic peg meters rollers with brush for self cleaning</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Manual hopper bottom shut-off slide gates</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• PWM Valve</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Meter encoder, Fan speed sensor, Bin level sensor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Low rate rollers available</td>
<td></td>
</tr>
<tr>
<td><strong>Implement Mounting</strong></td>
<td>• Skid mounting available - contact dealer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*ST-10 does not come standard with mounting hardware.</td>
<td></td>
</tr>
<tr>
<td><strong>Fan</strong></td>
<td>• Hydraulic fan drive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Second fan option for high rates, swaths, or ground speeds</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Second fan standard on 24 row models</td>
<td></td>
</tr>
</tbody>
</table>

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**ST-Series Metering**

**Simple Accurate Metering:** The ST-Series uses highly accurate, simple, roller metering to deliver product evenly into the separate Venturi air lines, delivering precisely how much product you need. Meters are designed to stay clean and are simple to change.

**Roller Metering:** ST-Series applicators use peg roller meters, which excel at metering seed or fertilizer. Compared to auger metering these rollers offer greater accuracy, are less susceptible to plugging, are easier to change and do not grind product. Peg rollers are equipped with brushes for self cleaning. Low rate rollers available for cover crop and micro nutrients.

**Hydraulic Drive with ISOBUS Compatibility:** ST-Series applicators use hydraulically driven systems. Factory optional ECU’s allow for simple straight rate application or ISOBUS compatible variable rate application.

**Meter Removal and Clean out:** A hopper slide gate and removable bottom makes emptying tanks quick and easy and meters simple to remove.

**More Accurate Fertilizer Blends:** ST-10 models can carry two separate commodities with their 60/40 split tanks. Blending is done right at the meter, rather than in the air line. This ensures the most accurate blend possible. The ST-10 has 2 separate tanks.

**Section Control Ready:** ST-Series models are capable of ISOBUS compatible section control. The ST-6 and ST-10 metering system is split into four sections for the most accurate, cost effective application.

---

**ISOBUS Controls**
- ISOBUS Controls* (includes ECU and harness)
- Digi-Star Scale Kit (includes one cab display) or available as ISOBUS

*For use with 3rd party ISOBUS cab consoles utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, etc.). ISOBUS compliance does not guarantee compatibility with all functionality on 3rd party ISOBUS displays. Non-ISOBUS displays are not compatible with this controller. Always consult with the display manufacturer before purchase. Prescription mapping and/or auto section control may require software unlock. Ensure latest display firmware version is installed.
ACKERMAN STEERING
• Ackerman steering tracks more accurately behind implements and reduces stress on the implement, while reducing the horsepower required to maneuver.

MULTI AXIS Pivot Hitch
• The PathFinder’s near universal integration with many planters and implements. Call your local dealer or Salford Group to determine fit.

AXLE SPACING OPTIONS
• The PathFinder offers 5 axle spacing options from 120 inches to 160 inches, in order to match your row crop needs.
Ideal for: Row crop application of fertilizer attached to strip-till bars and planters.

PathFinder

High Capacity Self-Steering Cart
The PathFinder and ST-Series commodity metering system adds high capacity, multi-product, fertilizer delivery to tillage equipment, strip-till bars, side dress applicators and planters. The universal, multi-axis pivot hitch can be adapted to fit virtually any frame design.

Row Crop Application
The PathFinder features a high clearance axle for post emergence, inter-row application. The axle can be stubbed out to match various row crop spacings.

Ackerman Steering Accuracy
Using the Ackerman steering principle the PathFinder tracks more accurately behind implements. This steering principle reduces stress on the implement and cart while reducing the horsepower required to maneuver.

PathFinder Specifications

<table>
<thead>
<tr>
<th>Chassis</th>
<th>6 Ton</th>
<th>10 Ton</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ton rated base cart</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 ton rated base cart</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tires</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Ton</td>
</tr>
<tr>
<td>Wheel Hub</td>
</tr>
<tr>
<td>Standard Tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional Row Crop Tire</th>
</tr>
</thead>
<tbody>
<tr>
<td>480 / 80 R46 174A8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional Floatation Tire</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 / 65 R32</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compatible Fertilizer System</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST-6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Axle Spacing Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 inches (20 inch, 30 inch rows)</td>
</tr>
<tr>
<td>132 inches (22 inch rows)</td>
</tr>
<tr>
<td>144 inches (36 inch rows)</td>
</tr>
<tr>
<td>152 inches (38 inch rows)</td>
</tr>
<tr>
<td>160 inches (40 inch rows)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Steering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard: Patented implement guided mechanical steering - 5-point mechanical tie-rod links</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Implement Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highly adaptable multi-axis pivot hitch to fit virtually any leading implement*</td>
</tr>
<tr>
<td>Hitch adaptor for some planter models available - contact dealer</td>
</tr>
</tbody>
</table>

*Special hitch options may be required.

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tow hitch for anhydrous ammonia carts</td>
</tr>
<tr>
<td>Adaptor hitch for pickups</td>
</tr>
</tbody>
</table>

Ideal Features

- Ackerman steering for accurate tracking and less horsepower required to maneuver
- High clearance frame can be used for post-emergence side dressing
- Double ball hitch for attaching to most implements
- Axle spacing options to fit row crop requirements
- Tow hitch available to pull anhydrous or other implements behind the PathFinder
- Rigid frame with 5 link steering improves side-hill tracking
- Patented 5-bar steering linkage uses Ackerman Principle
Air Manifold Gauge
A Murphy gauge measures air manifold pressure using inches of water column. The gauge is connected to the in-cab control with warning light and buzzer to warn of insufficient air pressure, ensuring proper application.

Manifold-Venturi System and Funnel Tray
The Venturi and manifold systems can be lowered by means of a quick release. Funnel trays are inserted for collection of product when calibrating or emptying the unit.

Hopper Bottom Slide Gates
Manually operated slide gates stop product flow to the metering system allowing you to remove the roller for cleaning or servicing.

Calibration Hand Crank
To make calibrating a product as precise and easy as possible a hand-crank is provided to turn the metering system. The product can be collected by using the funnel trays and weighed for determining exact application rates.

In-Cab Control
The dual electric clutch control allows you to operate the metering system from the operator’s seat. Two magnetic clutches and in-cab control allow 1/2 shut-off on either side.

Calibration Hand Crank
To make calibrating a product as precise and easy as possible a hand-crank is provided to turn the metering system. The product can be collected by using the funnel trays and weighed for determining exact application rates.

Fan
• 18 inch impeller with 3 inch outlet
• Operates at 3200-4000 RPM
• Hydraulic or gas engine fan drive
  • Hydraulic – 2.2 CID motor requires 8 GPM; hydraulic lines to hitch included (customer supplied connectors); includes sheaves, belt, shields, flow control with check valve
  • Gas engine – 9 HP engine; comes with Cyclone Air Cleaner; includes centrifugal clutch, engine mount, sheaves, belt and shields
  • Note: Engine ordered separately

Chassis
• 1500 lb. rubber torsion axle
• Tail lights
• 5 bolt hubs
• P265/50R15
• Safety chains
• Clevis type hitch

Options
• Foam marker

Dimensions/Shipping Information
• Height: 6 ft., Width: 6 ft. 10 in., Length: 8 ft. 7 in.
• Weight: 1080 lb.

1255 Pull Type Specifications

Hopper
• 18 cubic feet
• 409 stainless steel with 2 component urethane primer and 2 component urethane top coat paint
• Weather tight lid
• Product level sight gauge

Booms
Broadcast or inter-row banding boom
• Broadcast boom
  • Self-leveling frame with 16 foot boom (can be extended to 20 feet or 24 feet with optional 4 foot or 8 foot extension kits); adjustable boom height
  • 60 left hand and 6 right hand broadcast deflectors
  • 1.25 inch ID. PVC Hose
Inter-Row Banding Boom
• 2 stainless steel assemblies with 6 drop tubes
• Telescoping to accommodate various row spacing up to 10 feet
• Adjustable angle and height provide different band application widths
• Also includes a 7 foot non-folding broadcast boom with breakaways for inter row broadcasting with 12 drop tubes
  • 1.25 inch ID. PVC Hose

Metering
• Ground driven
• Comes with 28 groove rollers for fine granular and small seeds and 12 groove rollers for fertilizer and large seeds
• In-cab electric clutch control and air manifold monitor
• 60 speed gearbox with 5% between settings
• Air manifold and venturi system drop for easy cleaning
• Half width shut-off on either side

60 Speed Gearbox: Rate adjustment is easy and precise with 60 settings at 5% increments. The gearbox features 8 speeds, 2 ranges and 4 input drive ratios giving a wide selection of rates. Combined with the ground drive system, it provides unparalleled accuracy over the entire range of settings.

Metering Roller: The 1255 PT uses two fluted rollers for metering granular product or seed. The red rollers have 28 grooves and are used for application of fine products such as granular herbicide and small seeds such as grass, flax, canola, alfalfa, etc. The coarse rollers have 12 grooves and are used with fertilizer and larger seeds such as wheat or soybeans. Each unit comes with both types of rollers.

Pull-Type Inter-Row Banding or Broadcast Applicator for Fertilizer, Seeds, Herbicides, and Insecticides

1255 Pull Type Specifications

Hopper
• 18 cubic feet
• 409 stainless steel with 2 component urethane primer and 2 component urethane top coat paint
• Weather tight lid
• Product level sight gauge

Booms
Broadcast or inter-row banding boom
• Broadcast boom
  • Self-leveling frame with 16 foot boom (can be extended to 20 feet or 24 feet with optional 4 foot or 8 foot extension kits); adjustable boom height
  • 60 left hand and 6 right hand broadcast deflectors
  • 1.25 inch ID. PVC Hose
Inter-Row Banding Boom
• 2 stainless steel assemblies with 6 drop tubes
• Telescoping to accommodate various row spacing up to 10 feet
• Adjustable angle and height provide different band application widths
• Also includes a 7 foot non-folding broadcast boom with breakaways for inter row broadcasting with 12 drop tubes
  • 1.25 inch ID. PVC Hose

Metering
• Ground driven
• Comes with 28 groove rollers for fine granular and small seeds and 12 groove rollers for fertilizer and large seeds
• In-cab electric clutch control and air manifold monitor
• 60 speed gearbox with 5% between settings
• Air manifold and venturi system drop for easy cleaning
• Half width shut-off on either side

Fan
• 18 inch impeller with 3 inch outlet
• Operates at 3200-4000 RPM
• Hydraulic or gas engine fan drive
  • Hydraulic – 2.2 CID motor requires 8 GPM; hydraulic lines to hitch included (customer supplied connectors); includes sheaves, belt, shields, flow control with check valve
  • Gas engine – 9 HP engine; comes with Cyclone Air Cleaner; includes centrifugal clutch, engine mount, sheaves, belt and shields
  • Note: Engine ordered separately

Chassis
• 1500 lb. rubber torsion axle
• Tail lights
• 5 bolt hubs
• P265/50R15
• Safety chains
• Clevis type hitch

Options
• Foam marker

Dimensions/Shipping Information
• Height: 6 ft., Width: 6 ft. 10 in., Length: 8 ft. 7 in.
• Weight: 1080 lb.
The addition of a preservative when harvesting forage is the most important thing you can do to preserve its nutrient value and promote optimum palatability for livestock. Preservatives allow you to harvest at a higher moisture content. This means you put up a better quality crop containing more of the valuable leaf matter with less of the problems associated with heating.

Maximize the Nutrient Value and Palatability of your Hay

When it comes to applying granular preservatives, nothing is more accurate or easy to use than Valmar’s Forage Preservative Applicator. This applicator has been extensively researched and field tested to provide you with the most dependable and efficient means of applying preservatives during forage harvesting.

Mounts Easily to Most Balers
Valmar’s universal mounting stand allows you to easily attach the applicator to most makes and models of balers and forage harvesters.

Convenient In-Cab Monitoring and Control
Monitor and control all applicator operations with Valmar’s convenient in-cab unit. With its large, easy to read digital display you will have complete control of metering by adjusting the roller RPM’s. An alarm sounds when there’s a problem with the system.

Efficient Air Driven Application
With the fan driven air delivery system you are able to more evenly distribute granules through the hay mass, plus you will have more options on mounting locations than with gravity fed systems. The fan’s electric drive operates at 3600 RPM and easily connects to your tractor’s 12 Volt system.

Extremely Accurate Metering
Valmar’s four outlet system with a 12 or 28 groove plastic metering roller allows you to precisely distribute granules at a rate of up to five pounds a minute. Preservative is distributed through flexible heavy duty delivery hoses with rigid outlet tubes.

Weather Tight Hopper
Valmar’s precision manufacturing keeps the weather out and the hopper screen prevents foreign materials from entering. It features a 2.8 cubic foot capacity with a hopper bottom shut off for easy access to metering rollers for regular cleaning.

455 Forage Preservative Applicator Specifications

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<thead>
<tr>
<th><strong>Hopper</strong></th>
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<tbody>
<tr>
<td>• Mild steel construction</td>
</tr>
<tr>
<td>• 2.8 cu. ft. – holds approximately 250 lbs</td>
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<tr>
<td>• 2 component urethane primer and 2 component urethane top coat paint</td>
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<tr>
<td>• Hopper bottom shut off</td>
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<tr>
<td>• Fitted tarp is included</td>
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<tr>
<td>• Weather tight reversible lid</td>
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<table>
<thead>
<tr>
<th><strong>Metering</strong></th>
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<tbody>
<tr>
<td>• 4 outlet manifold system</td>
</tr>
<tr>
<td>• Manifold is reversible for front or rear product delivery</td>
</tr>
<tr>
<td>• 12 Volt electric drive</td>
</tr>
<tr>
<td>• Manifold is easily removed for cleaning</td>
</tr>
<tr>
<td>• Both coarse and fine roller segments are included</td>
</tr>
<tr>
<td>• Meters up to 5 lbs/minute</td>
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<table>
<thead>
<tr>
<th><strong>Fan</strong></th>
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<tbody>
<tr>
<td>• Operates at 3000-3600 RPM</td>
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<tr>
<td>• Plastic fan impeller</td>
</tr>
<tr>
<td>• 2.5 inch diameter fan outlet</td>
</tr>
<tr>
<td>• 12 Volt electric drive</td>
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<tr>
<th><strong>In-Cab Control</strong></th>
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<tr>
<td>• Both audible and digital alarms</td>
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<tr>
<td>• Operates and monitors fan and metering</td>
</tr>
<tr>
<td>• Digital read out shows metering roller RPM, low or high voltage, metering errors and warnings</td>
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<tr>
<th><strong>Options</strong></th>
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</thead>
<tbody>
<tr>
<td>• Mounting stands to fit most round balers and large/medium square balers</td>
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<table>
<thead>
<tr>
<th><strong>Dimensions/Shipping Information</strong></th>
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<tbody>
<tr>
<td>• Height: 28 inches</td>
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<tr>
<td>• Width: 22 inches</td>
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<tr>
<td>• Length: 23 inches</td>
</tr>
<tr>
<td>• Weight: 135 lbs</td>
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<tr>
<td>INDEPENDENT SERIES</td>
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<tr>
<td>I-1100</td>
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<td>I-1200</td>
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<td>I-2100</td>
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<td>I-2200</td>
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